

APPARATUS AND METHOD FOR IMPROVED FIBRE CHANNEL OVERSUBSCRIPTION OVER TRANSPORT

Abstract of the Disclosure

5 Oversubscription of Fibre Channel links over a transport network is provided. A
transport interface according to the present invention may maintain a small ingress buffer
in addition to the normal egress buffer. The ingress buffer is primarily used for
oversubscription and the egress buffer is primarily used for flow control. Ready
indications to multiple local Fibre Channel ports may be locally generated when flow
10 control conditions permit and may be distributed among the local Fibre Channel ports in
response to preconfigured bandwidth sharing weights. Transport network efficiency is
achieved by statistical multiplexing without significant increase in buffer memory
requirements or introduction of latency into the flow control mechanism.